

On page 16, please replace the paragraph describing Figure 3 with the following:

C2

--Figure 3 shows the first pursued sequencing strategy for sequencing the murine and human LOBO gene (SEQ ID NOS: 24-34). As at first only the 3'-end of the gene was sequenced, the exons starting at the 3'-end were numbered 1, 2, 3 etc. Three murine wildtype cosmid clones (middle) were sequences, two plasmid clones were sequences from the transgenic LOBO mouse (top) and a human P1-clone (bottom) was sequenced. The arrows denote the exons known for the time being. Seven exons were located on the genomic sequence, the eighth exon at first only existed on an EST clone. The plasmid clones from the transgenic LOBO mouse (top) contain the introduced artificial gene and the adjacent murine sequences. These murine sequences are identical to the corresponding sequences of the wildtype mouse except for 10 base pairs, which have been replaced in the transgenic mouse by the artificial gene.--

Please replace the first full paragraph on page 24 with the following:

C3

--The open reading frame starts at position 8520 in SEQ ID NO: 5. The stop codon is located at position 18202 in SEQ ID NO: 6. The coding region encodes the amino acid sequence depicted in SEQ ID NO: 2. A detailed computer analysis of the first obtained sequence data led to the identification of a gene which consists of at least 8 coding sections ("exons"). The first identified coding region which is depicted in SEQ ID NO: 1 carries the information for the 393 amino acids. An overview of the sequences murine clones obtained in the subsequent sequencing of the 138 kb region is schematically depicted in Figure 10. The sequenced region comprises altogether 138884 base pairs (see SEQ ID NOS: 10-12) and contains 12 exons. The exons are localized at the following positions:--

In the Claims:

Please amend the claims as follows: